

Serial No.: 09/166,298  
Filed: October 5, 1998

RECEIVED RECEIVED  
APR 28 2000 APR 28 2000  
TECH CENTER 1600/2900 TECH CENTER 1600/2900

Sequence Listing. Included with this submission is a substitute computer readable format (CRF) of the "Sequence Listing", a substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification, and a statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821 (e) or 1.821 (f) or 1.821 (g) or 1.825 (b) or 1.825 (d).

Regarding item 2 of the Detailed Action, Applicants herein elect for further prosecution species D) IFN $\alpha$ -D.

In response to item 3 of the Detailed Action, Applicants herein elect for further prosecution species C) 1D3.

In response to item 4 of the Detailed Action, Applicants herein elect for further prosecution species C) 133, 134, 135 and 139 in situ in the extracellular domain of IFNAR2.

It is believed that the above fully complies with the requirements set forth in the Communication mailed on December 17, 1999. The Examiner is invited to contact the undersigned at (415) 781-1989 if any issues may be resolved in that manner.

Respectfully submitted,

FLEHR HOHBACH TEST  
ALBRITTON & HERBERT LLP

*for* David C. Junta Reg. No. 44,685  
Richard F. Trecartin  
Reg. No. 31,801

Four Embarcadero Center  
Suite 3400  
San Francisco, CA 94111-4187  
Telephone: (415) 781-1989  
Dated: 17 April 2000  
1015727

APR 24 2000

09 166298

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

- ☒ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
- ☐ 7.

Other: \_\_\_\_\_

**Applicant must provide:**

- ☒ A substitute computer readable form (CRF) copy of the "Sequence Listing"
- ☒ A substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123  
For CRF submission help, call (703) 308-4212  
For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.

*Dr. Brink*

# **RAW SEQUENCE LISTING ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/166,298

Art Unit / Team No. :

Team 2

Date Processed by STIC:

1/4/99

**THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.**

**PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,**
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY**

**THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.**

**IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:**

**ARTI SHAH 703-308-4212**



7 TEAM 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/166,298DATE: 01/04/19  
TIME: 11:45:32

Input Set: I166298.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

1 <110> APPLICANT: Kyung Jin Kim  
2 Anan Chuntharapai  
3 Ji Lu  
4 <120> TITLE OF INVENTION: Monoclonal Antibodies to IFNAR2  
5 <130> FILE REFERENCE: P1092R1  
6 <140> CURRENT APPLICATION NUMBER: US/09/166,298  
7 <141> CURRENT FILING DATE: 1998-10-05  
8 <150> EARLIER APPLICATION NUMBER: US 60/061,185  
9 <151> EARLIER FILING DATE: 1997-10-06  
10 <160> NUMBER OF SEQ ID NOS: 26  
11 <210> SEQ ID NO 1  
12 <211> LENGTH: 30  
13 <212> TYPE: DNA  
14 <213> ORGANISM: Artificial Sequence  
15 <220> FEATURE:  
16 <221> NAME/KEY: Artificial Sequence  
17 <222> LOCATION: 1-30  
18 <223> OTHER INFORMATION:  
19 <400> SEQUENCE: 1  
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23 <212> TYPE: DNA  
24 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <221> NAME/KEY: Artificial Sequence  
27 <222> LOCATION: 1-30  
28 <223> OTHER INFORMATION:  
29 <400> SEQUENCE: 2  
30 gatcggcttc agtttcgggtt tccctttccc 30  
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32 <211> LENGTH: 5  
33 <212> TYPE: PRT  
34 <213> ORGANISM: Artificial Sequence  
35 <220> FEATURE:  
36 <221> NAME/KEY: Artificial Sequence  
37 <222> LOCATION: 1-5  
38 <223> OTHER INFORMATION:  
39 <400> SEQUENCE: 3  
40 Asp Tyr Thr Asp Glu  
41 1 5  
42 <210> SEQ ID NO 4  
43 <211> LENGTH: 5  
44 <212> TYPE: PRT

Does Not Comply  
Corrected Diskette Needed

already stated above - need  
Hydronation of  
source

See p. 29632 -  
Federal Register,  
06/01/98, Vol. 63,  
No. 104

TEAM 1

2

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/166,298DATE: 01/04/199  
TIME: 11:45:32

Input Set: I166298.RAW

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50 <400> SEQUENCE: 4  
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52 1 5  
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54 <211> LENGTH: 5  
55 <212> TYPE: PRT  
56 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <221> NAME/KEY: Artificial Sequence  
59 <222> LOCATION: 1-5  
60 <223> OTHER INFORMATION:  
61 <400> SEQUENCE: 5  
62 Glu Leu Lys Asn His  
63 1 5  
64 <210> SEQ ID NO 6  
65 <211> LENGTH: 5  
66 <212> TYPE: PRT  
67 <213> ORGANISM: Artificial Sequence  
68 <220> FEATURE:  
69 <221> NAME/KEY: Artificial Sequence  
70 <222> LOCATION: 1-5  
71 <223> OTHER INFORMATION:  
72 <400> SEQUENCE: 6  
73 Ala Leu Ala Asn Ala  
74 1 5  
75 <210> SEQ ID NO 7  
76 <211> LENGTH: 6  
77 <212> TYPE: PRT  
78 <213> ORGANISM: Artificial Sequence  
79 <220> FEATURE:  
80 <221> NAME/KEY: Artificial Sequence  
81 <222> LOCATION: 1-6  
82 <223> OTHER INFORMATION:  
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84 Lys Pro Glu Asp Leu Lys  
85 1 5  
86 <210> SEQ ID NO 8  
87 <211> LENGTH: 6  
88 <212> TYPE: PRT  
89 <213> ORGANISM: Artificial Sequence  
90 <220> FEATURE:  
91 <221> NAME/KEY: Artificial Sequence  
92 <222> LOCATION: 1-6  
93 <223> OTHER INFORMATION:  
94 <400> SEQUENCE: 8

delete - amino acids are numbered under  
every 5 amino  
acids

TEAM 1

3

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/166,298DATE: 01/04/19  
TIME: 11:45:32

Input Set: I166298.RAW

95 Ala Pro Ala Ala Leu Ala  
96 1 5 6  
97 <210> SEQ ID NO 9  
98 <211> LENGTH: 5  
99 <212> TYPE: PRT  
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101 <220> FEATURE:  
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103 <222> LOCATION: 1-5  
104 <223> OTHER INFORMATION:  
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106 Asp Leu Thr Asp Glu  
107 1 5  
108 <210> SEQ ID NO 10  
109 <211> LENGTH: 5  
110 <212> TYPE: PRT  
111 <213> ORGANISM: Artificial Sequence  
112 <220> FEATURE:  
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114 <222> LOCATION: 1-5  
115 <223> OTHER INFORMATION:  
116 <400> SEQUENCE: 10  
117 Ala Leu Thr Ala Ala  
118 1 5  
119 <210> SEQ ID NO 11  
120 <211> LENGTH: 5  
121 <212> TYPE: PRT  
122 <213> ORGANISM: Artificial Sequence  
123 <220> FEATURE:  
124 <221> NAME/KEY: Artificial Sequence  
125 <222> LOCATION: 1-5  
126 <223> OTHER INFORMATION:  
127 <400> SEQUENCE: 11  
128 Arg Ser Thr His Glu  
129 1 5  
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132 <212> TYPE: PRT  
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134 <220> FEATURE:  
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137 <223> OTHER INFORMATION:  
138 <400> SEQUENCE: 12  
139 Ala Ser Thr Ala Ala  
140 1 5  
141 <210> SEQ ID NO 13  
142 <211> LENGTH: 5  
143 <212> TYPE: PRT  
144 <213> ORGANISM: Artificial Sequence

TEAM 1

4

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/166,298DATE: 01/04/1  
TIME: 11:45:3

Input Set: I166298.RAW

145 <220> FEATURE:  
146 <221> NAME/KEY: Artificial Sequence  
147 <222> LOCATION: 1-5  
148 <223> OTHER INFORMATION:  
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150 Asp Met Ser Phe Glu  
151 1 5  
152 <210> SEQ ID NO 14  
153 <211> LENGTH: 5  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Artificial Sequence  
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158 <222> LOCATION: 1-5  
159 <223> OTHER INFORMATION:  
160 <400> SEQUENCE: 14  
161 Ala Met Ser Phe Ala  
162 1 5  
163 <210> SEQ ID NO 15  
164 <211> LENGTH: 7  
165 <212> TYPE: PRT  
166 <213> ORGANISM: Artificial Sequence  
167 <220> FEATURE:  
168 <221> NAME/KEY: Artificial Sequence  
169 <222> LOCATION: 1-7  
170 <223> OTHER INFORMATION:  
171 <400> SEQUENCE: 15  
172 Glu Glu Glu Leu Gln Phe Asp  
173 1 5 2  
174 <210> SEQ ID NO 16  
175 <211> LENGTH: 7  
176 <212> TYPE: PRT  
177 <213> ORGANISM: Artificial Sequence  
178 <220> FEATURE:  
179 <221> NAME/KEY: Artificial Sequence  
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181 <223> OTHER INFORMATION:  
182 <400> SEQUENCE: 16  
183 Ala Ala Ala Leu Gln Phe Ala  
184 1 5 2  
185 <210> SEQ ID NO 17  
186 <211> LENGTH: 5  
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188 <213> ORGANISM: Artificial Sequence  
189 <220> FEATURE:  
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191 <222> LOCATION: 1-5  
192 <223> OTHER INFORMATION:  
193 <400> SEQUENCE: 17  
194 Glu Glu Gln Ser Glu

TEAM 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/166,298DATE: 01/04/1990  
TIME: 11:45:32

Input Set: I166298.RAW

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196 <210> SEQ ID NO 18  
197 <211> LENGTH: 5  
198 <212> TYPE: PRT  
199 <213> ORGANISM: Artificial Sequence  
200 <220> FEATURE:  
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202 <222> LOCATION: 1-5  
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205 Ala Ala Gln Ser Ala  
206 1 5  
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213 <222> LOCATION: 1-5  
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216 Lys Lys His Lys Pro  
217 1 5  
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221 <213> ORGANISM: Artificial Sequence  
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224 <222> LOCATION: 1-5  
225 <223> OTHER INFORMATION:  
226 <400> SEQUENCE: 20  
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229 <210> SEQ ID NO 21  
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232 <213> ORGANISM: Artificial Sequence  
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234 <221> NAME/KEY: Artificial Sequence  
235 <222> LOCATION: 1-5  
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239 1 5  
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241 <211> LENGTH: 5  
242 <212> TYPE: PRT  
243 <213> ORGANISM: Artificial Sequence  
244 <220> FEATURE:



**VERIFICATION SUMMARY**  
**PATENT APPLICATION US/09/166,298**

**DATE: 01/04/1**  
**TIME: 11:45:3**

**Input Set: I166298.RAW**

? Error/Warning

Original Text